BRUHATH BENGALURU MAHANAGARA PALIKE

Name of the Work: Construction of SSM drain from Anjanamurthy Circle to New BEL Road in Ward No.18

DETAILED ESTIMATE

Ward No.18 **Est. Cost Rs.20.00 Lakhs**

Sl.No	Description	Unit	No	L	B	D	Qnty	Rate	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in **ordinary soil** not exceeding 1.5 m. in depth including sressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications. specification No. KBS 2.1 (b) / 2.3.5. P No.5 I No. 2.4 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.235.00+18.80)	Cum	1	250.00	1.50	0.95	**356.25**	151.74	**54057.38**
2	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs with using 40mm and down size graded granite metal ca @ 0.85 m3 @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM machinery, curing complete as per specifications. Specification No.KBS 4. 1,4.2 P No. 12. I no 4.3 PWDSR								
	(BR+A/Wtg) (Rs.235.00+18.80)	Cum	1	250.00	1.50	0.15	**56.25**	4290.80	**241357.50**
3	Providing and constructing grabute / trap / basalt size stone masonry in superstructure with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Page No.26. I No.5.12 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.235.00+18.80)	Cum	2	250.00	0.45	0.60	**135.00**	4423.70	**597199.50**
4	Providing and laying in position plain cement concrete of mix M15 with cement @ 240 kgs using 20mm and down size graded granite metal ca @ 0.878 m3 & F A @ 0.878 m machine mixed, concrete laid in layers not exceeding 15 cms. Thick, well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No.12. I N0.4.6 PWDSR								
	(BR+A/Wtg) (Rs.4425.00+354.00)	Cum	2	250.00	0.45	0.10	**22.50**	4779.00	**107527.50**
5	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, incluing cost of materials, labor, curing complete as per specifications. Page No.122. I No.15.3 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs74.00+5.90)	Sqm	2	250.00	0.60		**300.00**	79.90	**23970.00**
6	Providing and laying position reinforced cement concrete covering slabs madeout of mix 1:1.50:3 with 20mm and down size granite metal mixed concrete laid in layers not exceeding 15cms vibrated including cost of materials, labor curing providing and laying in position including transportation complete as per specification. (10 cm thick) APPROVED DATA RATE								
	(SLAB THICKNESS OF 10CMS)	Sqm	1	250.00	1.50		**375.00**		
	Missing slab		1	35.00	0.90		**31.50**		
							406.50	1427.15	**580136.48**
7	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm P 24 I NO.5.29.1 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.293.00+23.45)	Nos	1x250.00=250 mtrs				**550.00**	316.45	**174047.50**

8	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plasered concrete surfaces, with materials, labour compete as per specifications. Specification No.KRBS 800.3 MORT & H Specification No.800. P No. 195. I no 24.1 PWDSR - 2013-14								
	(BR+A/Wtg) (Rs.48.00+3.85)	Sqm	1	250.00	0.30		75.00	51.84	3888.00
9	Cost of Haulage Excluding Loading and Unloading MORTH Chapter 1 (Lead chart enclosed) (for 10 Kms)								
	P No.144 I Note 1 CSR of PWP & IWTD of PWDSR - 2013-14						Cum/km		
	Vide item No 1						357.75		
							357.75	94.82	33921.86
					1816105.71				1798282.48
12	KRIDL Charges				181610.57		10%		197811.07
12	Misscellaneous & unforseen charges				2283.72				3906.45
								Total	2000000.00

(Rupees Twenty Lakhs only)

Executive Engineer,
Hebbal Division,
Bruhat [illegible] Palike

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.

2 The estimate is prepared as per KPWD S.R Bangalore circle for the year PWDSR - 2013-14

3 The Provisions made in the estimate are quite necessary and adequate.

4 The area comes with in the BBMP limits.

Assistant Engineer
Ward No.18

Asst. Exe. Engineer
Hebbal Sub-Dn BBMP

Executive Engineer,
Hebbal Division BBMP

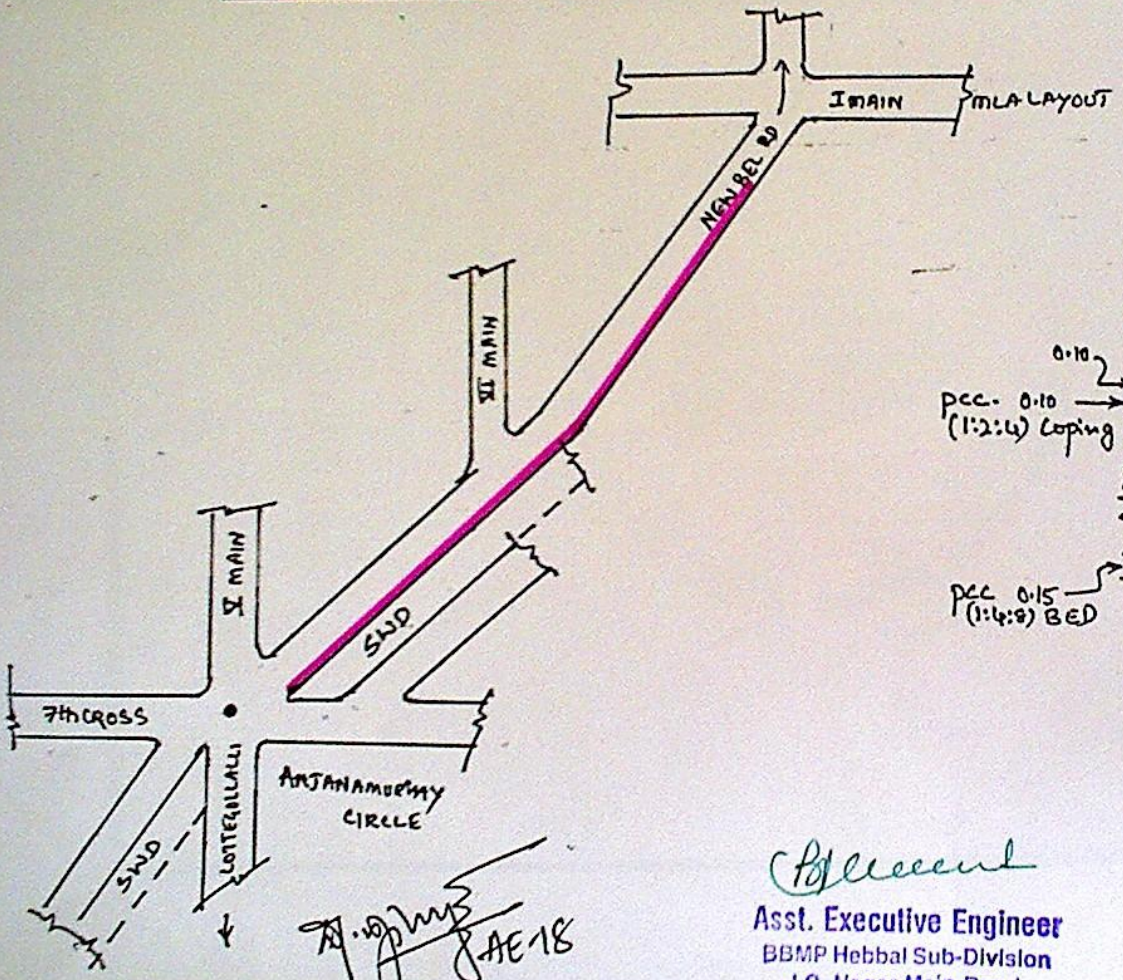
Administrative Sanctioned for Rs. 20,00,000-00
(Rs. Twenty lakhs only
is accorded under head P-2436
Registered as Sl. No 122 Page No 143
Subject to conditions contained in enclosed memo
No. TECH/AS/122/14-15 Dt. 5/2/16

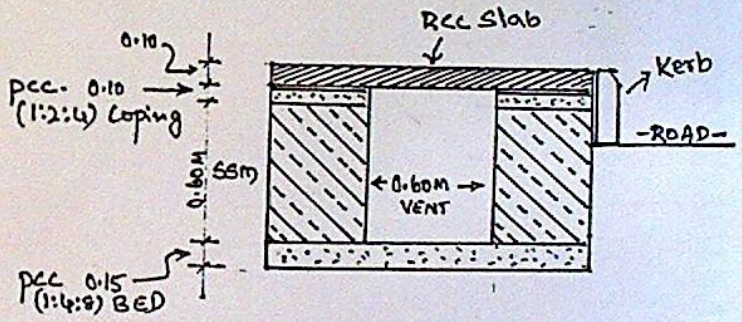
JE/AE TA(E) S.E/C.E(E)

TECHNICALLY SANCTIONED FOR
Rs. Twenty lakhs Only
P-2436 Bangalore city
Under developmental works
Regd (H) Vide No 24
S - CE(T)/TS/24/14-15 enclosed memo
07-07-16

JE/AE E.E(H)

CONSTRUCTION OF SSM DRAIN FROM ANJANAMURTHY CIRCLE TO NEW BEL ROAD IN WARD-18.





CROSS SECTION OF SSM DRAIN

AE 18

Asst. Executive Engineer
BBMP Hebbal Sub-Division
J.C. Nagar Main Road,
Bangalore - 560 032.

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike